

6.51

WCA 1996

GDP-4-keto, 6-deoxy-(D)-mannose  
 GDP-4-keto, 6-deoxy-(L)-glucose  
 GDP-(L)-fucose

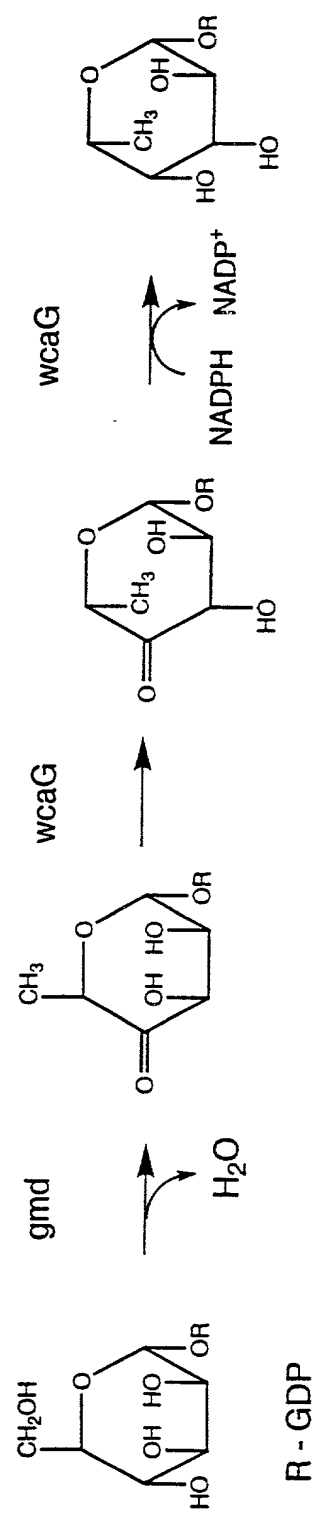


Fig 2 (a)

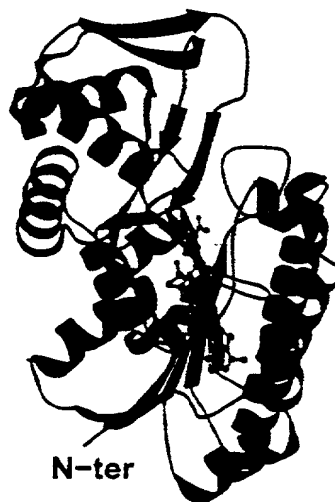


Fig 2 (b)

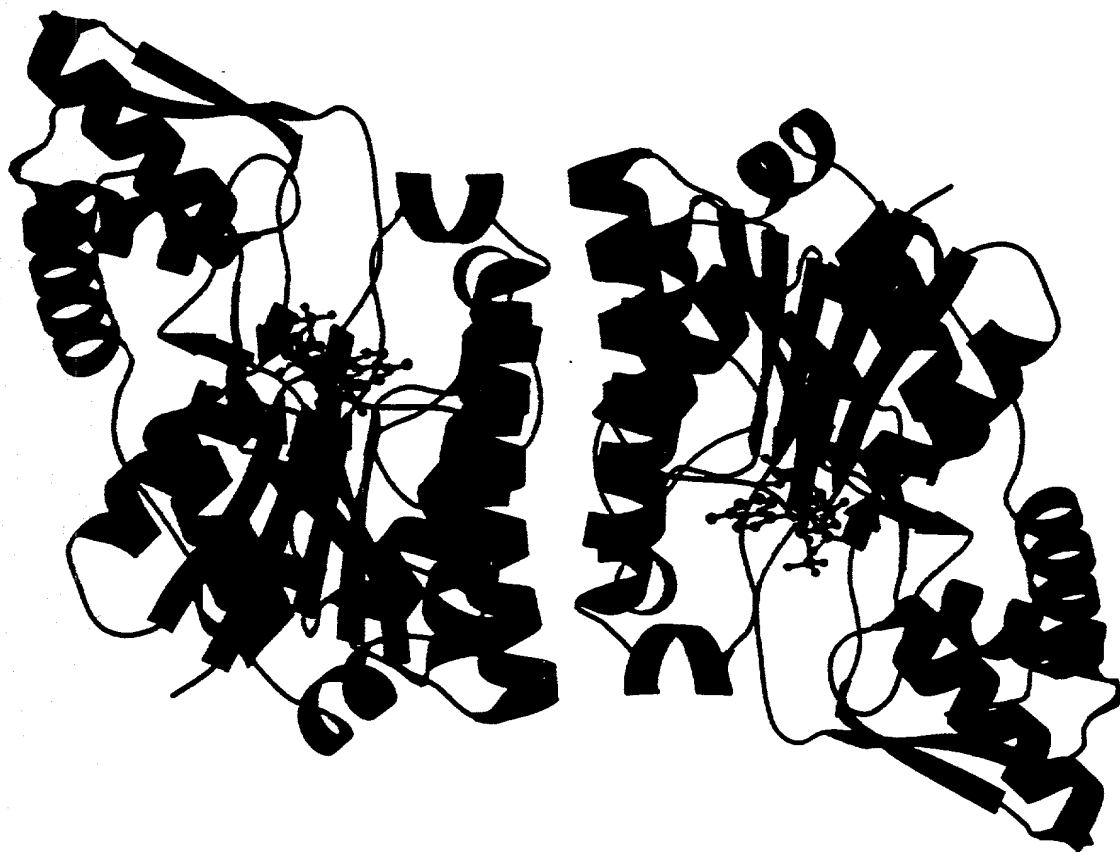


Fig 3.

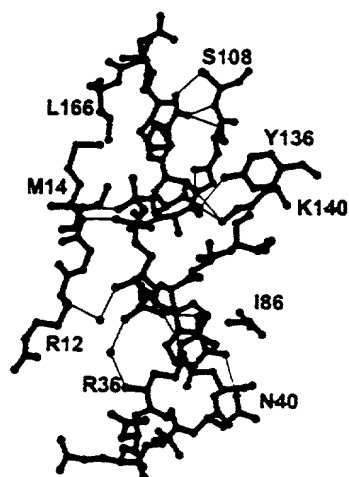
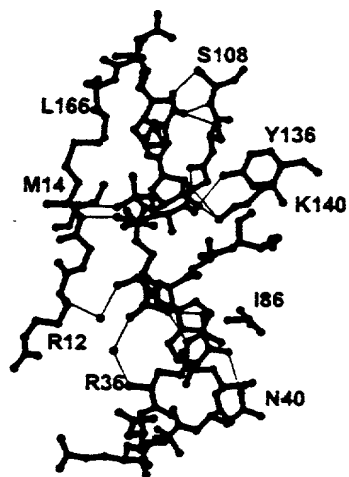


Figure 4

|           |     |  |                                |
|-----------|-----|--|--------------------------------|
| gale      | 1   | -MRVIVTSGYIGSHTCVQILONG-HDVIIIDNLC                             | KRSVLPVIERLGCKHPTFVEGD         |
| coli_GFS  | 3   | KQRVETAGHRCMVGSATIRROLEQRCGVELVLRTR                            | -----DELN                      |
| human_GFS | 8   | -MRILVTGSGSLVCKALQKVVADCGCLPGEDWVF                             | -----VSSKDAD                   |
| consensus | 1   | *.....*  |                                |
| gale      | 59  | IRNEALMTETLHDHAIDTVIHFAGLKA-VGESVQKPLEYYDNNVNGTLRLTSAMRAANVK   |                                |
| coli_GFS  | 41  | LLDSRAVEDDFEASERIDQVYLAARVGGIVANNTYPADFIYONMMIESNIIHAHQNDVN    |                                |
| human_GFS | 48  | LTDTAQTRALFEKVQPTHEVIHLAANVGGIFRNIRKYNLDFWRKNVHMNDNVLHSAFEVGAR |                                |
| consensus | 61  | *.....*  |                                |
| gale      | 118 | NFISSSATVVGCDNPKIPYVES-FPTCTEQ---                              | SPYCKSKLMVEQTLTDLQKAQPDWSIA    |
| coli_GFS  | 101 | KLLEPLGSSCIYPKLARQPMASEHLOCTLEPTNEFYAIARIAGIKLCESYNROY-GRDVR   |                                |
| human_GFS | 108 | KVVSCLSCTCIFFDKTTYPIDETMIENGPPENSGYSYAKRMIDVONRAHFQOY-CCTET    |                                |
| consensus | 121 | *.....*  |                                |
| gale      | 174 | LLRYFNPVCAEHPSGDMGEDPQGIPNNMEYLAQVAVGR----                     | RDSLALFCNDYPTEDGTG             |
| coli_GFS  | 160 | SVMEPTNLYGPE-----DNFHPSNSEVLPALRRFHEATAQNAPDVVVWGS-----        | GTE                            |
| human_GFS | 167 | AVIPTNVEGPEHDF-----NIEDGCVLPGILHNVHLAKS-SGSALTIVWGTG-----      | NP                             |
| consensus | 181 | *.....*  |                                |
| gale      | 230 | VRDYIHVMDLADGEVVAEKLANK-----                                   | ECVETYNLGAAGVGNVLDVVNAFSKACGKP |
| coli_GFS  | 208 | MREFLHVDDMAAASIHVMELAEVWLENTQEMLSHINVGTGVDTIRELAQTARVVCYK      |                                |
| human_GFS | 214 | RRQFIYSIDLAQLFHWLREYNE-----                                    | VEPIILSVGEDEVSIKEAAEAVVEAMDFH  |
| consensus | 241 | *.....*  |                                |
| gale      | 284 | VNYHFAPRRREGDLPAIWADASKRADRETNWRVTRTIDEMAQDTWHWQSRHPQGVPD      |                                |
| coli_GFS  | 268 | GRUVFEDASKPDGTPRKLLDVTRLHQ-LGWYHEISLEAGLASTYQWFLNQDRE          |                                |
| human_GFS | 267 | GEVTEDTTRKSDGQFKRTASNSKLRTYLPDERFTPFKQAVKETCAWFETDNVEQARK      |                                |
| consensus | 301 | *.....*  |                                |

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Fig 5A.



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Fig 5 B

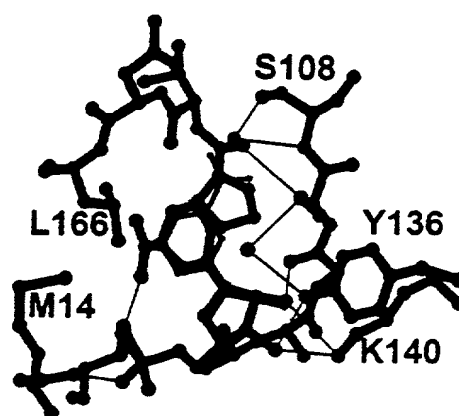
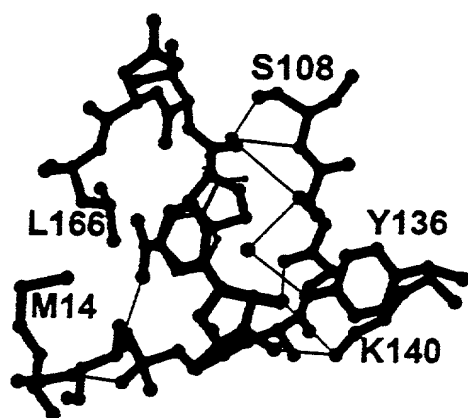
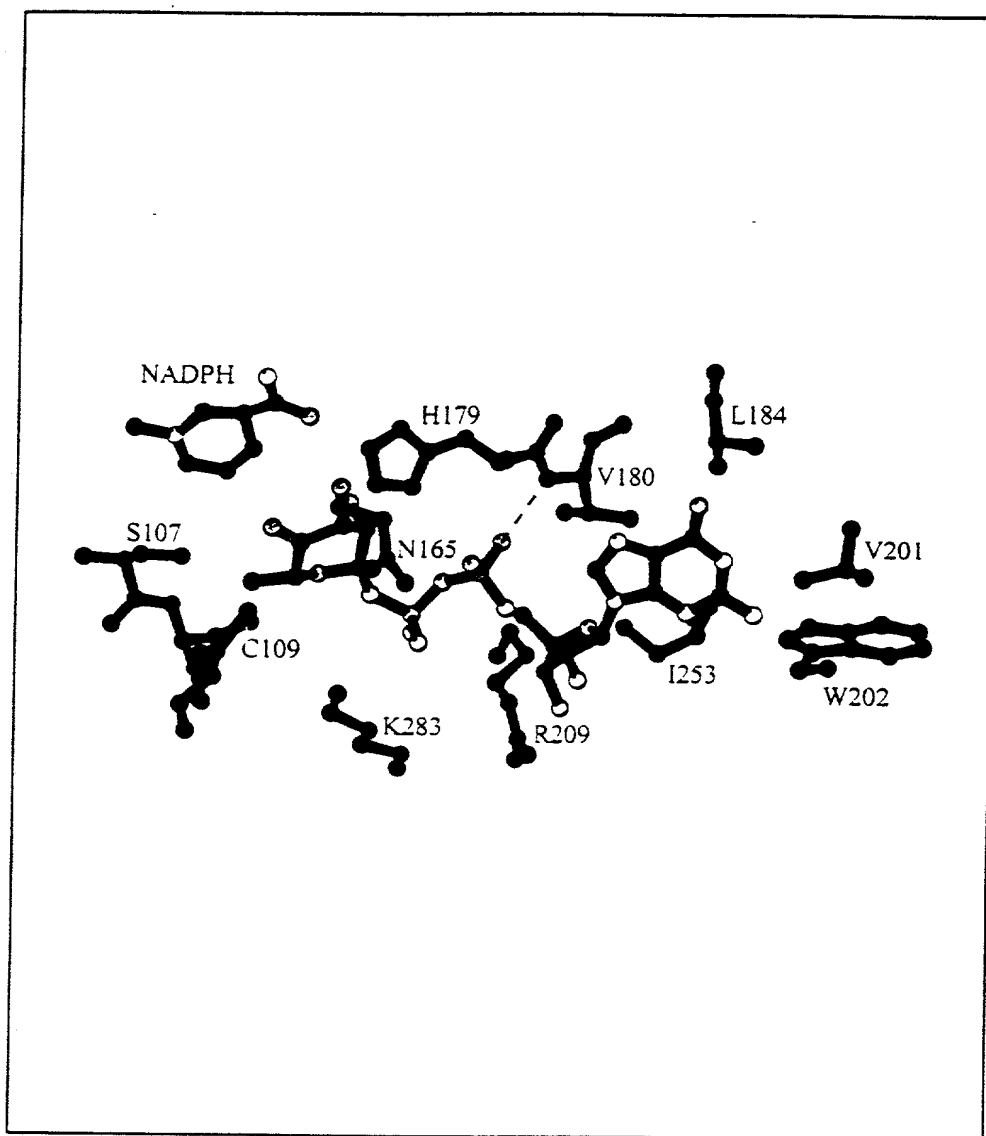
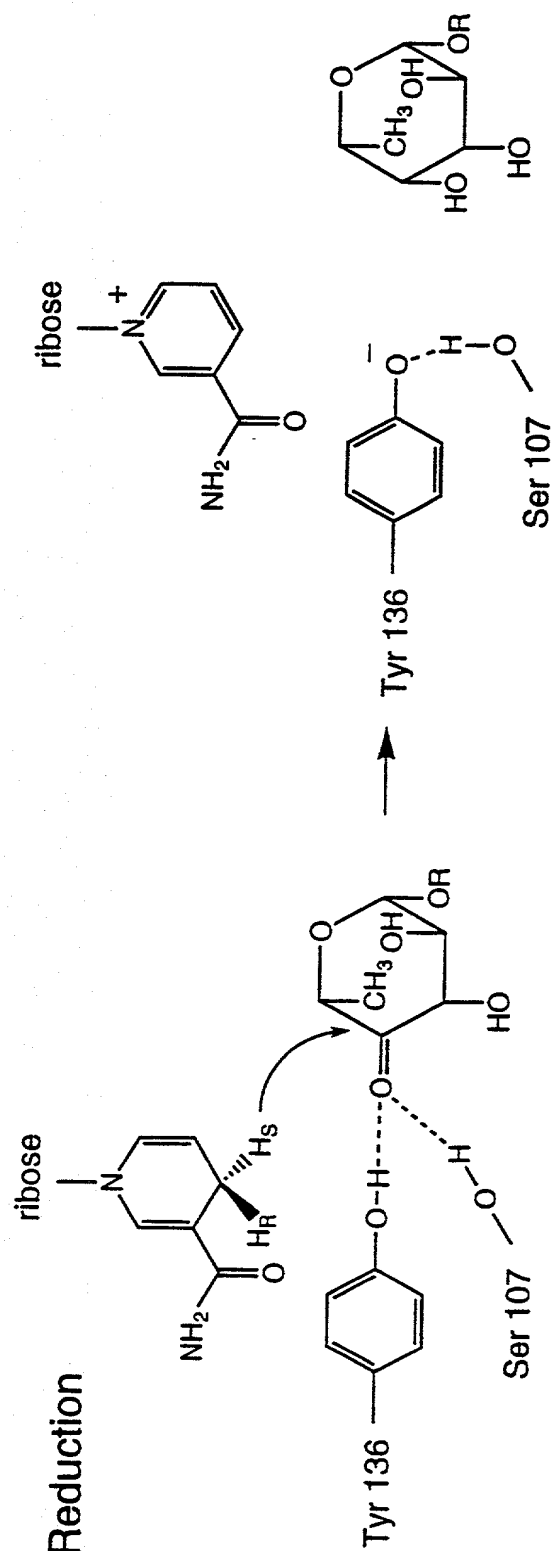


Fig 6





# Reduction



# Epimerization

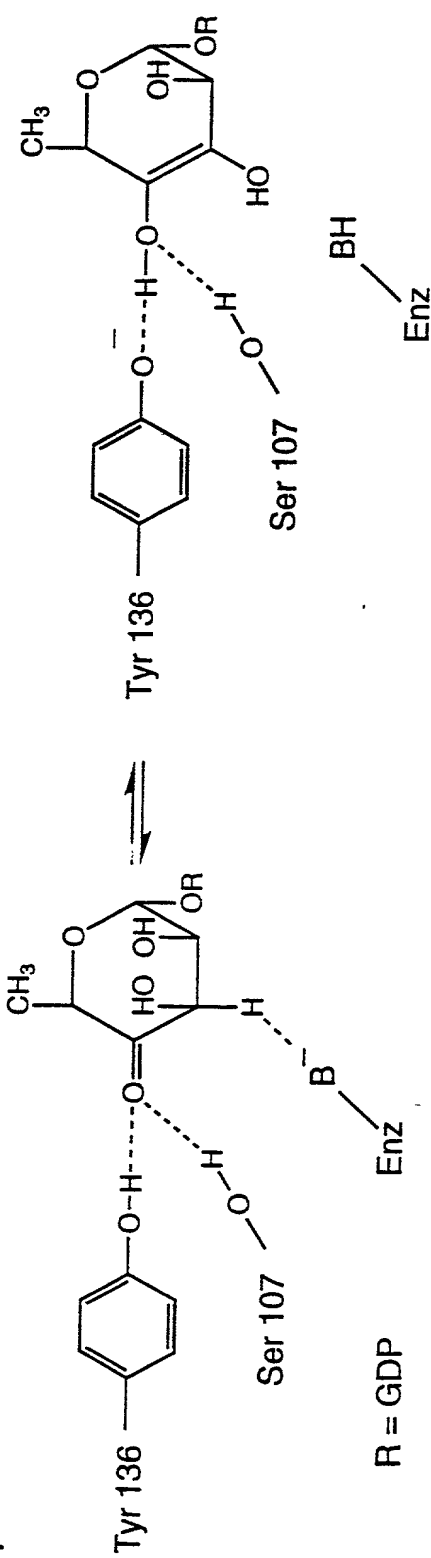
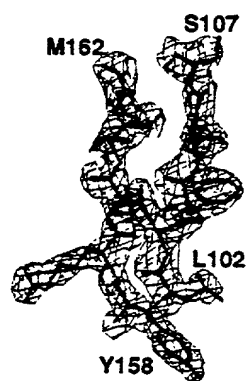
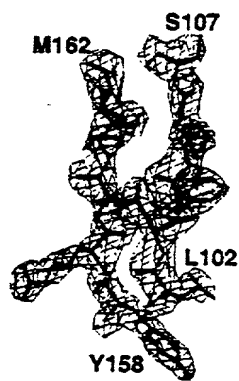


Fig 8A.



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Placer 500- side 1-y MAPH. GB.

1.00

Fig 8 C.

